

SEQUENCE LISTING

<110> Blaschuk, Orest W.
Gour, Barbara J.

<120> COMPOUNDS AND METHODS FOR MODULATING CLAUDIN-MEDIATED
FUNCTIONS

<130> 100086.409

<140> US
<141> 1998-11-03

<160> 269

<170> PatentIn Ver. 2.0

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<212> PRT
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Thr Ser Ser Tyr
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Val Thr Ala Phe
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<210> 5

<211> 4
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Gln Ala Ile Tyr Glu Gly Leu Trp Met Ser Cys Val Ser Gln Ser Thr
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Gly Gln Ile Gln Cys Lys Val Phe Asp Ser
35 40

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1 5 10 15

Val Gly Phe Ser Lys Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr
20 25 30

Gly Ile Thr Gln Cys Asp Ile Tyr Ser Thr
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<213> Homo sapiens

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1 5 10 15

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20 25 30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser
35 40

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20 25 30

Gly Gln Met Gln Cys Lys Met Tyr Asp Ser
35 40

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<211> 42
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<213> Chlorocebus aethiops

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Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr
20 25 30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser
35 40

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1 5 10 15

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20 25 30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser
35 40

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Gln Met Gln Cys Lys Met Tyr Asp Ser
35 40

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<223> Where Xaa is either Valine or Isoleucine

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<223> Where Xaa is either Alanine or Serine

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<223> Where Xaa is Valine, Isoleucine or Methionine

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<223> Where Xaa is either Phenylalanine or Tyrosine

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1 5 10 15

Xaa Xaa Xaa Xaa Xaa Gly Leu Trp Met Xaa Cys Xaa Xaa Xaa Xaa Thr
20 25 30

Gly Xaa Xaa Gln Cys Xaa Xaa Xaa Xaa Xaa
35 40

<210> 14
<211> 8
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Synthesis based on mouse claudin-1 sequence

<400> 14
Ile Tyr Ser Tyr Ile Tyr Ser Tyr
1 5

<210> 15
<211> 15
<212> PRT
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synthesis based on mouse claudin-1 sequence

<400> 15
Gln Ile Tyr Ser Tyr Gln Ile Tyr Ser Tyr Gln Ile Tyr Ser Tyr
1 5 10 15

<210> 16
<211> 10
<212> PRT
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synthesis. N-CAM binding sequence

<400> 16
Lys Tyr Ser Phe Asn Tyr Asp Gly Ser Glu
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<210> 17
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Syntheis. Occludin cell adhesion recognition
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<400> 17
Leu Tyr His Tyr
1

<210> 18
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<210> 19
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<400> 19
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1 5

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1

<210> 25

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Synthesis based on N-cadherin cell adhesion
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Phe His Leu Arg Ala His Ala Val Asp Ile Asn Gly Asn Gln Val
1 5 10 15

<210> 26

<211> 10

<212> PRT

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recognition sequence

<400> 26

Leu Phe Ser His Ala Val Ser Ser Asn Gly
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<210> 27

<211> 5

<212> PRT

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Ile Tyr Ser Tyr Ala

1

5

<210> 28

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Ile Tyr Ser Tyr Ala Gly
1 5

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Synthesis based on mouse claudin-1 sequence

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Lys Ile Tyr Ser Tyr
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<210> 30
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Synthesis based on mouse claudin-1 sequence

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Lys Ile Tyr Ser Tyr Ala
1 5

<210> 31
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Synthesis based on mouse claudin-1 sequence

<400> 31
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1 5

<210> 32
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<400> 32
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1 5

<210> 33
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<220>
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Synthesis based on mouse claudin-1 sequence

<400> 33
Trp Lys Ile Tyr Ser Tyr Ala
1 5

<210> 34
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<212> PRT
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Synthesis based on mouse claudin-1 sequence

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1 5

<210> 35
<211> 5
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synthesis based on mouse claudin-2 sequence

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Thr Ser Ser Tyr Val
1 5

<210> 36
<211> 6
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<400> 36
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1 5

<210> 37
<211> 5
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Arg Thr Ser Ser Tyr
1 5

<210> 38
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Arg Thr Ser Ser Tyr Val
1 5

<210> 39
<211> 7
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<210> 40
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1 5

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<211> 7
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<210> 42
<211> 8
<212> PRT
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<210> 43
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<210> 44

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Val Thr Ala Phe Ile Gly

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<210> 45

<211> 5

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Arg Val Thr Ala Phe

1

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<210> 46

<211> 6

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Arg Val Thr Ala Phe Ile

1

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<210> 47

<211> 7

<212> PRT

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<210> 48
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<210> 50
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<210> 51

<211> 5
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Val Ser Ala Phe Ile
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<210> 52
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<210> 53
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<400> 53
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<210> 54
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<210> 56
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<210> 61
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<400> 61
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<210> 62
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<223> Cyclic Peptide

<400> 62

Cys Lys Ile Tyr Ser Tyr Cys

1

5

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<210> 63

<211> 8

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synthesis based on mouse claudin-1 sequence

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<223> Cyclic Peptide

<400> 63

Cys Lys Ile Tyr Ser Tyr Ala Cys

1

5

10

<210> 64

<211> 9

<212> PRT

<213> Artificial Sequence

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synthesis based on mouse claudin-1 sequence

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<223> Cyclic Peptide

<400> 64

Cys Lys Ile Tyr Ser Tyr Ala Gly Cys

1

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<210> 65

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<400> 65

Cys Trp Lys Ile Tyr Ser Tyr Cys

1 5 10

<210> 66
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synthesis based on mouse claudin-1 sequence

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1 5 10

<210> 67
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synthesis based on mouse claudin-1 sequence

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<400> 67
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1 5 10

<210> 68
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synthesis based on mouse claudin-1 sequence

<220>
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<400> 68
Lys Ile Tyr Ser Tyr Asp
1 5 10

<210> 69
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<220>
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<400> 69
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1 5 10

<210> 70
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synthesis based on mouse claudin-1 sequence

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1 5 10

<210> 71
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<220>
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synthesis based on mouse claudin-1 sequence

<220>
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<400> 71
Lys Lys Ile Tyr Ser Tyr Asp
1 5 10

<210> 72
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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synthesis based on mouse claudin-1 sequence

<220>
<223> Cyclic Peptide

<400> 72
Lys Lys Ile Tyr Ser Tyr Ala Asp
1 5 10

<210> 73
<211> 9
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<220>
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<220>
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<400> 73
Lys Lys Ile Tyr Ser Tyr Ala Gly Asp
1 5 10

<210> 74
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 74
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1 5 10

<210> 75
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>
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<400> 75
Lys Trp Lys Ile Tyr Ser Tyr Ala Asp
1 5 10

<210> 76
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